Patent Claims:

1. Hearing aid tuning device with a computing device (3), connected on the output side with a connection (E3) for data entry, on the output side with a connection (A3) for a hearing aid (7), hereby characterized by the fact that an audio storage medium play-back unit is provided, whose control input (E9) is connected on the output side with the computing unit (3) and whose audio output (A3) is connected with a connection for a loud speaker unit (11).

2. Tuning device according to Claim 1, hereby characterized by the fact that the play-back unit (9) contains at least one audio storage chip and is preferably a CD play-back unit, in particular preferred as an audio CD play-back unit.

3. Tuning device according to one of claims 1 or 2, hereby characterized by the fact that a testing unit (24) is provided that tests an audio storage medium (20) on the play-back unit (9) for a predetermined indicator and with non-recognition blocks the play-back unit and preferably emits an indication to a display unit (28).

4. Tuning device according to one of the claims 1 to 3, hereby characterized by the fact that the play-back unit (9) is an audio CD play-back unit, that the length specification (Δ t) of at least one of the tracks is directed from one output (A22) of the play-back unit (9) to a decoding unit of the computing unit, which in its output generates a control signal for the operation of the play-back unit.

5. Tuning device according to one of the claims 1 to 4, hereby characterized by the fact that a

hearing device (7) is connected to the connection (A0), for a hearing aid, of the computing unit, that on the hearing aid (7) a level detector (DPS) is connected with the acoustical/electrical transformer (7a) of the hearing aid (7), that further the computing unit (3) on its output side (A32) produces in a controlled manner the functional connection between the output signal (A71) of the level detector (DPS) and an input signal (E352) of the computing device (3), which input (E351) is connected with a set value comparative unit (35), the output of which unit (Δ) functions on a level position input (E26) for the audio output (A9) of the play-back unit, whereby the computing unit (3) based on a control signal (SELKAL) directs the play-back unit (9) for the play-back of a pre-determined storage sector (33) of the audio storage medium (20) and produces the functional connection of the level detector output for the computing unit (A71, E351).

6. Tuning device according to one of Claims 1 to 5, hereby characterized by the fact that the connection (E3) for the human input device is connected with a selector unit (8; 50, 53, 52) on the computing unit (3), the output of which is connected to a selection input (E9) on the play-back unit (9), whereby a storage sector of the audio storage medium (20) on the play-back unit is selected for play-back.

7. Tuning device according to Claim 6 hereby characterized by the fact that the selection unit contains a test signal/reaction signal pattern storage unit, preferably in the form of read-only, that the output of this storage unit (52) is connected with the one input of a comparative unit (53); the connection (E3) for the human input device (5) is connected with the second input of the comparative unit (53), whereby the output of the comparative unit (53) is connected with the output of the selection unit.

8. Tuning device according to Claim 7 hereby characterized by the fact that pattern record storage units (50, 52) are linked to the connections of the comparative unit (53).

9. Tuning device according to one of claims 1 to 8 hereby characterized by the fact that the connection (E3) for a human input device (5) is connected with a decoding unit (40), which produces from input data (I) from the human input device, according to stored decoding tables, output data to a decoding unit output that is connected with the computing unit (3) on its input side and preferably is connected with a display device.

10. Process for the tuning of a hearing aid in situ, with which an individual with at least one fitted hearing aid is subjected to an audio test signal according to the standard of an assessment entry concerning the individual's hearing experience, and according to the standard of the respective reaction of the individual the parameters influencing the transmission of the hearing aid are implemented optimally, hereby characterized by the fact that according to the data entry an audio test signal is automatically selected and played back.

11. Audio CD with a number of tracks, hereby characterized by the fact that the time lengths of at least one track clearly identifies at least one formation on the tracks of the CD.